

WHAT IS CLAIMED IS:

1. An image pickup apparatus comprising:

an image pickup section which picks up an image  
and outputs image information;

5 a determining section which makes a determination  
whether to execute a pixel addition process for the  
image information from the image pickup section in  
accordance with a result of optical measurement  
executed from the image information;

10 a pixel addition section which executes the pixel  
addition process for the image information received  
from the image pickup section when the determining  
section makes a determination for execution of the  
pixel addition process; and

15 a transmitting section which transmits to the  
outside the image information to which the pixel  
addition section has executed pixel addition process.

2. An image pickup apparatus according to  
claim 1, wherein the determining section automatically  
20 makes the determination without receiving an  
instructing operation each time from a user.

3. An image pickup apparatus according to  
claim 1, wherein the determining section makes a  
determination in accordance with the result of the  
25 optical measurement executed from the image information  
whether to execute gain control of the image informa-  
tion received from the image pickup section and further

makes a determination whether to execute the pixel addition process for the image information after execution of the gain control.

4. An image pickup apparatus according to  
5 claim 1, wherein the determining section makes a determination in accordance with the result of the optical measurement executed from the image information whether to execute shutter speed control of the image pickup section and further makes a determination  
10 whether to execute the pixel addition process for the image information after execution of the shutter speed control.

5. An image pickup apparatus according to  
claim 1, wherein the pixel addition process performs an  
15 addition of the image information regarding at least one an X direction of the image information and a Y direction thereof.

6. An image pickup apparatus according to  
claim 1, wherein the pixel addition process performs an  
20 addition of the image information regarding both an X direction of the image information and a Y direction thereof.

7. An image pickup apparatus according to  
claim 1, further comprising an image processing section  
25 which generates a signal for a set screen which prompts setting of a remedial method for tuning a light-quantity shortage of the image information and which is

displayed in a browser application displayed in an external device connected via the transmitting section.

8. An image pickup apparatus according to claim 1, further comprising an image processing section which generates a signal for a set screen which prompts selection of at least one of gain control, shutter speed control, and the pixel addition process to tune a light quantity of the image information and which is displayed in a browser application displayed in an external device connected via the transmitting section.

9. An image pickup apparatus according to claim 1, further comprising an image processing section which generates a signal for a set screen which is used to set the level of the pixel addition process of the image information and which is displayed in a browser application displayed in an external device connected via the transmitting section.

10. An image pickup apparatus according to claim 1, further comprising an image processing section which generates a signal for displaying the type of a current process being executed to tune a light quantity of the image information, the type being displayed in a browser application displayed in an external device connected via the transmitting section.

11. An information processing method for an image pickup apparatus, the method comprising:

picking up an image and outputting image

information;

making a determination whether to execute a pixel addition process for the image information in accordance with a result of optical measurement executed from the image information;

executing the pixel addition process for the image information when the determining section makes a determination for execution of the pixel addition process; and

transmitting to the outside the image information to which the pixel addition section has executed pixel addition process.

12. An information processing method for an image pickup apparatus according to claim 11, wherein the determination is automatically made without receiving an instructing operation each time from a user.

13. An information processing method according to claim 11, wherein the determination is made in accordance with the result of the optical measurement executed from the image information whether to execute gain control of the image information and a determination is further made whether to execute the pixel addition process for the image information after execution of the gain control.

14. An information processing method according to claim 11, wherein the determination is made in accordance with the result of the optical measurement

executed from the image information whether to execute shutter speed control and a determination is further made whether to execute the pixel addition process for the image information after execution of the shutter speed control.

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10 15. An information processing method according to claim 11, wherein the pixel addition process performs an addition of the image information regarding at least one of an X direction of the image information and a Y direction thereof.

15 16. An information processing method according to claim 11, wherein the pixel addition process performs an addition of the image information regarding both of an X direction of the image information and a Y direction thereof.

20 17. An information processing method according to claim 11, wherein a signal for a set screen which prompts setting of a remedial method for tuning a light-quantity shortage of the image information and which is displayed in a browser application displayed in an external device connected via the transmitting section of the image pickup apparatus, is generated

25 18. An information processing method according to claim 11, wherein a signal for a set screen which prompts selection of at least one of gain control, shutter speed control, and the pixel addition process to tune a light quantity of the image information and

which is displayed in a browser application displayed in an external device connected via the transmitting section of the image pickup apparatus, is generated.

19. An information processing method according to  
5 claim 11, wherein a signal for a set screen which is used to set the level of the pixel addition process of the image information and which is displayed in a browser application displayed in an external device connected via the transmitting section of the image  
10 pickup apparatus, is generated.

20. An information processing method according to claim 11, wherein a signal for displaying the type of a current process being executed to tune a light quantity of the image information, the type being displayed in a  
15 browser application displayed in an external device connected via the transmitting section of the image pickup apparatus, is generated.